

**CRYSTALLOGRAPHY-RELATED METHOD FOR IDENTIFYING
POTENTIAL INHIBITORS OF THE CD4-GP120 INTERACTION**

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Abstract of the Disclosure

10 The subject invention provides a crystal suitable for
X-ray diffraction comprising a polypeptide having an
amino acid sequence of a portion of a Human
Immunodeficiency Virus Type I envelope glycoprotein
gpl20. The subject invention also provides the above-
described crystals, wherein the crystal is arranged in
15 a space group P222₁, so as to form a unit cell of
dimensions a=71.6 Å, b=88.1 Å, c=196.7 Å, and which
effectively diffracts x-rays for determination of the
atomic coordinates of the gpl20 to a resolution of 2.5
Å or better. The subject invention additionally
20 provides compounds inhibiting the human CD4-gpl20
interaction, compounds inhibiting chemokine receptor-
gpl20 interaction, mimics of human CD4, gpl20 variants
and uses thereof.